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CLAIM(S)

What is claimed is:

- A liquid casting composition which is a precursor to a solid
 surface material comprising a liquid polymerizable component,
 polycarboxylic acid or salt thereof having at least two carboxylic acid
 groups and having a molecular weight in a range from 300 grams per mole
 to 50,000 grams per mole, and solid particles wherein the particles
 comprise:
- 10 (a) first particles having a distribution in the range from 1 micron to 300 microns, and
 - (b) second particles having a distribution in the range from 0.1 mm to 12 mm
- 15 2. The composition of claim 1 wherein said molecular weight is in a range from 300 grams per mole to 1000 grams per mole.
 - 3. The composition of claim 1 wherein the concentration of the acid or salt is in a range from 0.1 to 1.0 weight percent of the liquid polymerizable component.
 - 4. The composition of claim 1 wherein the first particles are in a range from 1 to 100 microns and the second particles are in a range from 3 to 5 mm.
 - 5. The composition of claim 1 which contains an ester of acrylic or methacrylic acid.
- 6. The composition of claim 1 which contain a non-crosslinked 30 polymer.
 - 7. The composition of claim 1 wherein the first particles are in a range from 1 to 100 microns and the second particles are in a range from 0.1 to 5 mm.
 - 8. The composition of claim 1 wherein based on the total weight of the composition, the first particles are present in an amount from

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10 to 70 weight percent and the second particles are present in an amount from 1 to 50 weight percent.

- 9. The composition of claim 8 wherein the first particles are present in an amount from 30 to 65 weight percent and the second particles are present in an amount from 3 to 40 weight percent.
 - 10. A solid composition formed from the liquid coating composition of claim 1.